

Bell, Tammi [DOT]

From: Bell, Tammi [DOT]
Sent: Tuesday, July 01, 2008 10:33 AM
To: Bell, Tammi [DOT]
Subject: Bridge Failures

TO: County Engineers, and City Representatives
Tammi Bell Iowa DOT - Local Systems tammi.bell@dot.iowa.gov

CC: District Local Systems Engineers, Service Bureau
and Office of Local Systems

FROM: Office of Local Systems

SUBJECT: Bridge Failures

DATE: July 1, 2008

We have been asked to help with a survey being conducted by the NY State DOT. Since 1990 they have been developing a national bridge failure database, to catalogue the predominant modes of failure. They are requesting to update their information, with any failures that have occurred since the last survey in April of 2005.

Please provide us the following information for any bridge failures with in the last 3 years.

- * **Identification** (FHWA number) – Location, feature over, and feature under.
- * **Year built/year failed** – If known.
- * **Bridge type** – Examples: truss, rigid frame, multi-girder, etc.
- * **Cause of failure** – examples: scour, overload, deterioration, fatigue, collision, earthquake, etc.
- * **Type of collapse** – Total Collapse or Partial Collapse.

Total Collapse – Structures which all primary members of a span or several spans have undergone severe deformation such that no travel lanes are passable.

Partial Collapse – Structures on which all or some of the primary structural members of a span or multiple spans have undergone severe deformation such that the lives of those traveling on or under the structure would be in danger.

Your response by July 18, 2008 will be appreciated.

If you have any questions feel free to give me a call at 515-239-1064.

Thank You

Tom Valline
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